



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<b>(51) International Patent Classification <sup>7</sup> :</b>  <b>A61K 31/495</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 00/69441</b>  <b>(43) International Publication Date:</b> 23 November 2000 (23.11.00)																		
<b>(21) International Application Number:</b> PCT/GB00/01857  <b>(22) International Filing Date:</b> 15 May 2000 (15.05.00)  <b>(30) Priority Data:</b> <table border="0"> <tr> <td>9911183.3</td> <td>13 May 1999 (13.05.99)</td> <td>GB</td> </tr> <tr> <td>9911346.6</td> <td>14 May 1999 (14.05.99)</td> <td>GB</td> </tr> <tr> <td>9918534.0</td> <td>5 August 1999 (05.08.99)</td> <td>GB</td> </tr> <tr> <td>9927005.0</td> <td>15 November 1999 (15.11.99)</td> <td>GB</td> </tr> <tr> <td>9927106.6</td> <td>16 November 1999 (16.11.99)</td> <td>GB</td> </tr> <tr> <td>0007637.2</td> <td>29 March 2000 (29.03.00)</td> <td>GB</td> </tr> </table>  <b>(71) Applicant (for all designated States except US):</b> PHARMA MAR, S.A. [ES/ES]; Calle de la Calera, 3, Poligono Industrial de Tres Cantos, Tres Cantos, E-28760 Madrid (ES).  <b>(72) Inventors; and</b> <b>(75) Inventors/Applicants (for US only):</b> BOWMAN, Angela [GB/GB]; Dept. of Clinical Oncology, Western General Hospital, Crewe Road, Edinburgh EH4 2XU (GB). CVITKOVIC, Esteban [FR/FR]; 18-20, rue Pasteur, F-94278 Le Kremlin-Bicêtre (FR). Demetri, George, Daniel [US/US]; Department of Adult Oncology, Dana Faber Cancer Institute, 44 Binney Street, Boston, MA 02115 (US). GUZMAN, Cecilia [ES/ES]; Pharma Mar,		9911183.3	13 May 1999 (13.05.99)	GB	9911346.6	14 May 1999 (14.05.99)	GB	9918534.0	5 August 1999 (05.08.99)	GB	9927005.0	15 November 1999 (15.11.99)	GB	9927106.6	16 November 1999 (16.11.99)	GB	0007637.2	29 March 2000 (29.03.00)	GB	S.A., Calle de la Calera, 3, Tres Cantos, E-28760 Madrid (ES). JIMENO, José [ES/ES]; Pharma Mar, S.A., Calle de la Calera 3, Tres Cantos, E-28760 Madrid (ES). LÓPEZ LÁZARO Luis [ES/ES]; Pharma Mar, S.A., Calle de la Calera 3, Tres Cantos, E-28760 Madrid (ES). MISSET, Jean, Louis [FR/FR]; Service d'Oncologie, Hôpital Paul Brousse, 12-14 Avenue Paul Vaillant Couturier, F-94804 Villejuif Cedex (FR). TWELVES, C. [GB/GB]; University of Glasgow, CRC Beatson Laboratories, Alexander Stone Building, Switchback Road, Bearsden, Glasgow G61 1BD (GB). VON HOFF, Daniel, D. [US/US]; Arizona Cancer Center, College of Medicine, 1515 North Campbell Avenue, Tuscon, AZ 85724-5024 (US).  <b>(74) Agent:</b> RUFFLES, Graham, Keith; Marks & Clerk, 57-60 Lincoln's Inn Fields, London WC2A 3LS (GB).  <b>(81) Designated States:</b> AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  Published With international search report.
9911183.3	13 May 1999 (13.05.99)	GB																		
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0007637.2	29 March 2000 (29.03.00)	GB																		
<b>(54) Title:</b> COMPOSITIONS AND USES OF ET743 FOR TREATING CANCER  <b>(57) Abstract</b>  ET743 is used in the preparation of a medicament for the treatment of the human body for cancer.																				

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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB 00/01857

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61K31/495

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, BIOSIS, EMBASE, MEDLINE, SCISEARCH, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 99 51238 A (UNIV ILLINOIS) 14 October 1999 (1999-10-14) page 3, paragraph 1 claims 8,11-15 ---	1-11
P,X	WO 99 58125 A (PHARMA MAR SA ;FLORIANO PABLO (ES); REYMUNDO ISABEL (ES); GARCIA G) 18 November 1999 (1999-11-18) page 2, line 12 - line 17 ---	1-11
X	US 5 256 663 A (SAKAI RYUICHI ET AL) 26 October 1993 (1993-10-26) column 19, line 9 -column 20, line 15 ---	1-11
X	US 5 478 932 A (SAKAI RYUICHI ET AL) 26 December 1995 (1995-12-26) column 1, line 40 - line 50 --- -/-	1-11

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search

21 August 2000

Date of mailing of the international search report

05/09/2000

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

Inter  Application No

PCT/GB 00/01857

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	IZBICKA: "in vitro antitumor..." ANNALS OF ONCOLOGY, vol. 9, no. 9, 1998, pages 981-987, XP000900662 page 981, column 1, line 11 -column 2, line 15 page 983, column 2, paragraph 4 -page 984, column 1, paragraph 1 table 1B -----	1-11
X	"ET743" DRUGS OF THE FUTURE, vol. 22, no. 11, 1997, page 1279 XP002145352 the whole document -----	1-11
X	GIAVAZZI: "ET743..." CLINICAL CANCER RESEARCH, vol. 4, no. 8, 1998, pages 1977-1983, XP000930036 page 1981, column 1, paragraph 1 - paragraph 3 -----	1-11

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB 00/01857

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
W0 9951238	A	14-10-1999	AU 3471399 A	25-10-1999
W0 9958125	A	18-11-1999	AU 4073799 A	29-11-1999
US 5256663	A	26-10-1993	US 5089273 A	18-02-1992
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US 5478932	A	26-12-1995	US 5654426 A	05-08-1997

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>WPP80673</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/GB 00/ 01857</b>	International filing date (day/month/year) <b>15/05/2000</b>	(Earliest) Priority Date (day/month/year) <b>13/05/1999</b>
Applicant  <b>PHARMA MAR S.A</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



furnished subsequently to this Authority in written form.



furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of Invention is lacking** (see Box II).

**4. With regard to the title,**

the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

**COMPOSITIONS AND USES OF ET743 FOR TREATING CANCER**

**5. With regard to the abstract,**

the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

**6. The figure of the drawings to be published with the abstract is Figure No.**

as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.



None of the figures.